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limits of the constellation *Pegasus*, a little south and west of the star *iota*. Its daily motion is north 1° and east about the same amount.

The head is composed of a nucleus, some 10″ in diameter, surrounded symmetrically by a nebulosity 2′ in diameter. The nucleus does not present a stellar appearance, but looks granular.

Extending away from the comet, in position-angle 281°, is a moderately broad tail, which can be traced to a distance of 1°. It seems to broaden near the end, and there are indications of a fainter nebulosity surrounding the main tail.

The head of the comet is about as bright as a seventh magnitude star, and can be seen with a very small telescope.

MT. HAMILTON, Cal., March 21, 1898. C. D. P.

ELEMENTS OF COMET *b*, 1898 (PERRINE).

From Mr. PERRINE'S observation of March 19th, at the time of discovery, and my observations of March 21st and 22d, I have computed the following elements of this comet:—

$$T = \text{March } 19.1079, \text{ G. M. T.}$$

$$\left.\begin{array}{rl} \omega = & 49^\circ\ 31'\ 16'' \\ \Omega = & 263\ \ 19\ \ 53 \\ i = & 72\ \ 53\ \ 25 \end{array}\right\} \begin{array}{c} \text{Ecliptic and} \\ \text{Mean Equinox of 1898.0.} \end{array}$$

$$\log q = 0.04252.$$

$$(\text{O.—C.})\ \Delta\lambda' \cos\beta' = +5'' \qquad \Delta\beta' = +3''$$

W. J. HUSSEY.

ASTRONOMICAL TELEGRAMS (*Translation*).

Lick Observatory, March 20, 1898.

To Harvard College Observatory,
Students' Observatory.
Sent $12^h\ 35^m$ P. M.

A bright comet was discovered by C. D. PERRINE (on March 20th, at 4:30 A.M.). Its position, March 20th, $0^h\ 53^m\ 56^s$ G. M. T., was, R. A. $21^h\ 18^m\ 36^s.89$; Decl. $+16^\circ\ 43'\ 23''.3$. Its daily motions are +56′ in R. A. and +61′ in Decl. The physical appearance of the comet is, nebulosity 2′ diameter, seventh magnitude, strong central condensation, tail 1° long.

Lick Observatory, March 22, 1898.

To Harvard College Observatory:
To Students' Observatory, Berkeley:
(Sent 10:15 A.M.)

Comet *b*, 1898, (PERRINE) was observed by W. J. HUSSEY, March 22.0532, G. M. T.; R. A. $21^h\ 25^m\ 59^s.8$, Decl. $+18^\circ\ 49'\ 17''$.

Lick Observatory, March 23, 1898.

To Harvard College Observatory:
To Students' Observatory, Berkeley: (Sent 9:55 A.M.)

Comet *b*, 1898, (PERRINE) was observed by C. D. PERRINE, March 22.9855, G. M. T.; R. A. $21^h\ 29^m\ 28^s.9$, Decl. $+19°\ 47'\ 24''$.

Lick Observatory, March 23, 1898.

To Harvard College Observatory: (Sent 9:30 P.M.)

The following elements and ephemeris of Comet *b*, 1898, (PERRINE) were computed by W. J. HUSSEY and C. D. PERRINE:—

$T =$ 1898, March 18.67, G. M. T.
$\omega = 49° \ 2'$
$\Omega = 264 \ \ 7$
$i = 72 \ \ 48$
$q = 1.1013.$

[The ephemeris is omitted here.]

ERRATUM.

Volume X, page 35, line 3, *for* 1897 *read* 1898.